

Notice of Allowability

Application No.

09/841,367

Examiner

Douglas Q. Tran

Applicant(s)

TAY ET AL.

Art Unit

2624

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 4/24/01.
2. ☒ The allowed claim(s) is/are 1-20.
3. ☒ The drawings filed on 24 April 2001 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

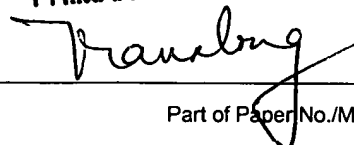
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date 4/23/01
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____.
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.

DOUGLAS Q. TRAN
PRIMARY EXAMINER



Allowable Subject Matter

1. Claims 1-20 are allowed.

Claims 1, 10 and 15 are independent claims.

The following is an examiner's statement of reasons for allowance:

As to claims 1 and 15, the present invention from the application discloses a method for operating a driver and instructions stored on the computer readable medium comprises in which “generating a fourth set of data from the third set of data, if a difference exists between the first set of data and the third set of data; and retrieving the second set of data, if equivalency exists between the first set of data and the third set of data”.

As to claim 10, the present invention from the application discloses a computer comprising a processing device configured to execute a set of instructions for “generating a second device independent bit map from the second device dependent bit map if a difference exists between the first device dependent bit map and the second device dependent bit map, and for retrieving the first device independent bit map the memory if equivalency exists between the first device dependent bit map and the second device dependent bit map”.

The closest prior art such as Suzuki (US Patent No. 6,930,803 B1), which is recorded from the Examiner's Remark, discloses an information processing apparatus capable of allowing an operating system to control printing operation of image data by a printer via a printer driver, wherein image data rasterized by the printer driver is compared with specific image data to determine the matching degree, predetermined image processing for the image data rasterized by

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the printer driver is controlled on the basis of the determination result; and McLachlan et al. (US Patent No. 6,144,458), which is recorded from the Examiner's Remark, teaches the printer driver compares each of the required elements for raster objects. The printer driver compares the data size element of the received graphical object to the data size element of the stored object. If they are not the same, the printer driver recognizes that the objects do not match. If they are the same, the printer driver compares the color depth element of the received graphical object with that of the stored graphical object. If the color depths are the same, the printer driver compares each pixel of the two objects.

However, either of both of the above prior art or the combination fails to anticipate or render the above underlined limitations of claims 1, 10 and 15 obvious.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Examiner's Remark

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure:

Suzuki (US Patent No. 6,930,803 B1) discloses an information processing apparatus capable of allowing an operating system to control printing operation of image data by a printer

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via a printer driver, wherein image data rasterized by the printer driver is compared with specific image data to determine the matching degree, predetermined image processing for the image data rasterized by the printer driver is controlled on the basis of the determination result; and

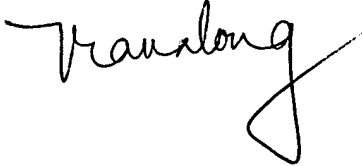
McLachlan et al. (US Patent No. 6,144,458) teaches the printer driver compares each of the required elements for raster objects. The printer driver compares the data size element of the received graphical object to the data size element of the stored object. If they are not the same, the printer driver recognizes that the objects do not match. If they are the same, the printer driver compares the color depth element of the received graphical object with that of the stored graphical object. If the color depths are the same, the printer driver compares each pixel of the two objects.

Contact information

2. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Douglas Q. Tran whose telephone number is (571) 272-7442 or E-mail address is douglas.tran@uspto.gov.

Aug. 19, 2005

**DOUGLAS Q. TRAN
PRIMARY EXAMINER**

A handwritten signature in black ink, appearing to read 'Tran Douglas', written over the printed name of the examiner.